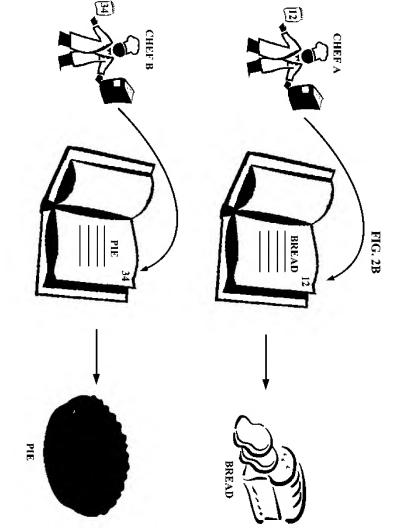


FIG. 2A



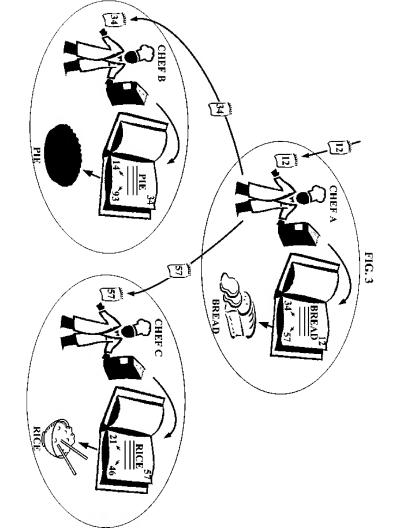


FIG. 4

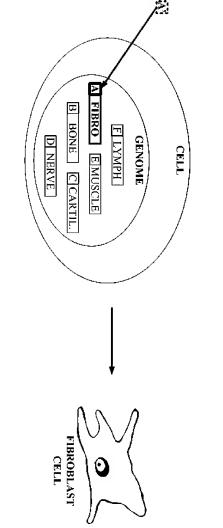
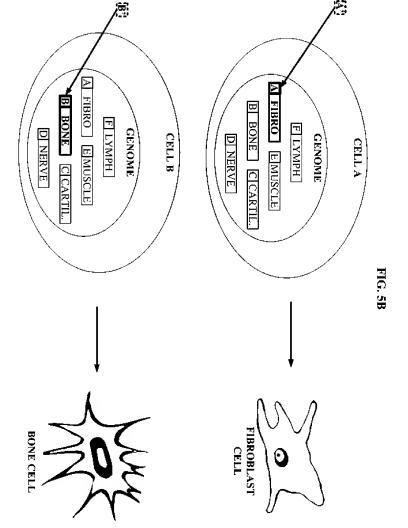
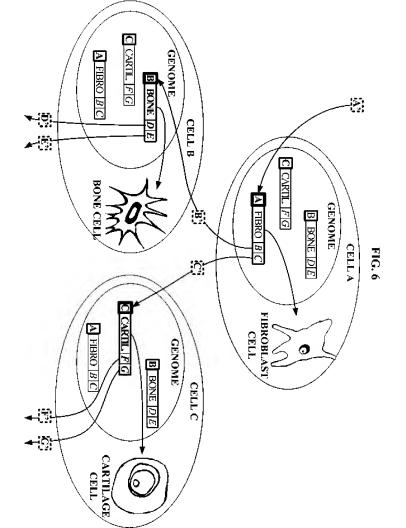


FIG. 5A

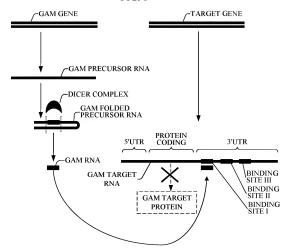




CENOME CELL A FIBRO 4 2 1 BONE **▼2** GENE 2 I GENE I 4 GENE 4 FIBROBLAST CELL

FIG. 7

FIG. 8



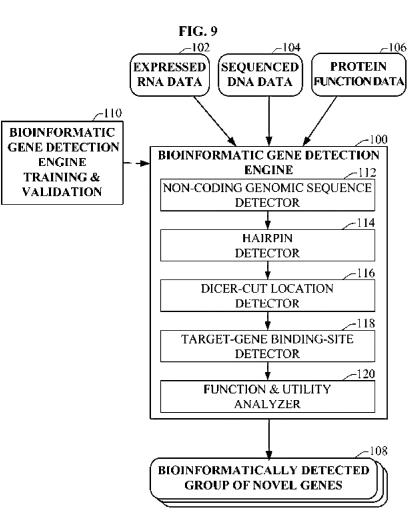
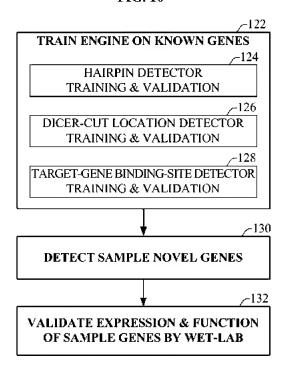


FIG. 10



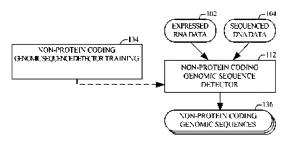


FIG. HB

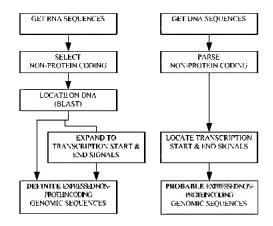


FIG. 12A

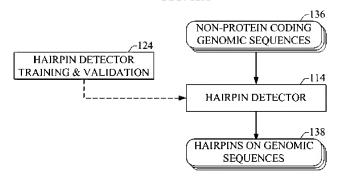
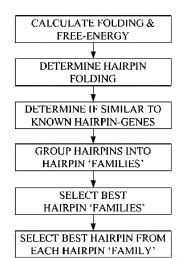


FIG. 12B



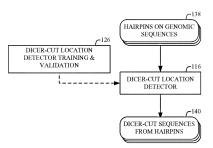


FIG. 13B

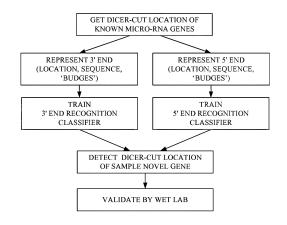


FIG. 13C

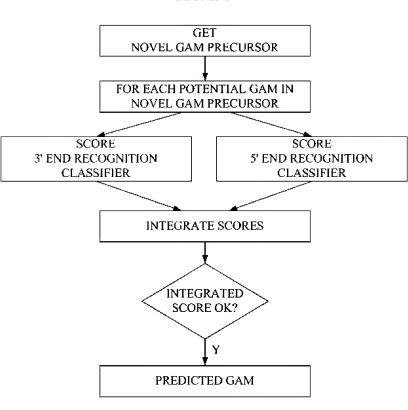


FIG. 14A

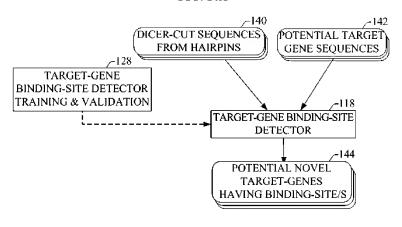


FIG. 14B

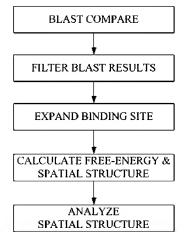
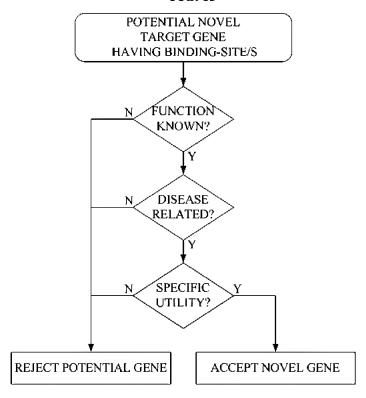
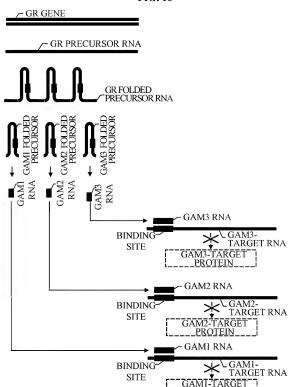


FIG. 15





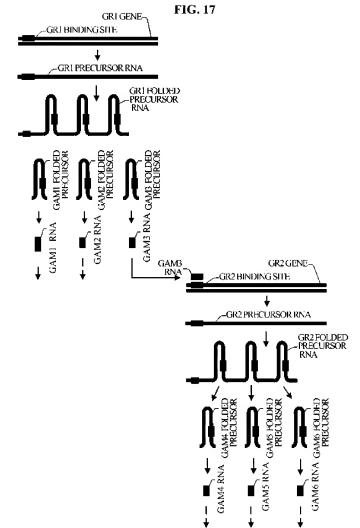
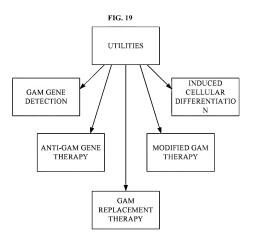


FIG. 18 -146 FIND GAM GENES -147 FIND GR GENES (I.E. GAM GENE CLUSTERS) -148 FIND HIERARCHY OF GR GENES

DEDUCE FUNCTION OF 'HIGH' GR AND GAM GENES



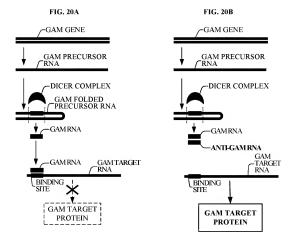
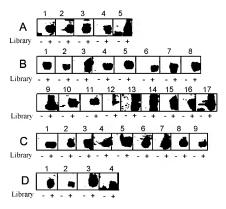
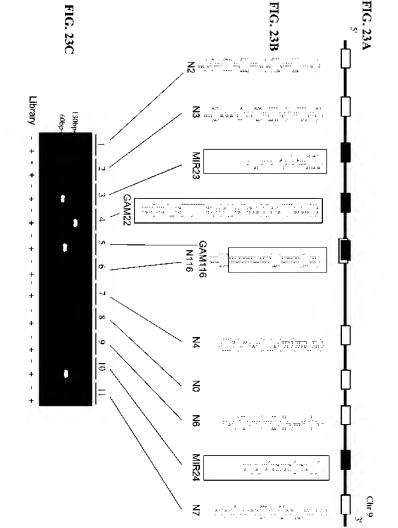


FIG. 21

Detection Accuracy Group	Number of Published MIRs	1	Lab Validation	on	Novel GAMs	Hairpin Data	airpins in RNA Database
		Sent	Positive	%		Number	Expected
				success			
Á	82	10	5	50%	562	564	282
В	146	91	32	35%	526	813	285
С	38	0.5	9	30%	625	2080	624
Ð	78	16	4	25%	3034	11512	2878
Overall	344	147	50	34%	4747	14969	4069





EST72223 (705 nt.)



EST72223 sequence:

CCCTTATTAGAGGATTCTGCTCATGCCAGGGTGAGGTAGTAAGTTGTATTG TTGTGGGGTAGGGATATTAGGCCCCAATTAGAAGATAACTATACAACT MIR98 **TACTACTTTCC**CTGGTGTGTGGCATATTCACACTTAGTCTTAGCAGTGTTGCC TCCATCAGACAAAGTTGTAGATGTTCCTTGGATAATTTGGACTGGAAGAAAAGA GACATGGAAGGGGACAGATGGTGTTTAGGGTGAGGCAGATGTCATTATAAAGT GACTTGTCTTTCATTAATTGGAGCATATAATTATTTTACCTTTGGGCATGAACTC ATTTTGCTATTCTTCAACTGTGTAATGATTGCATTTTATTAGTAATAGAACAGGA ATGTGTGCAAGGGAATGGAAAGCATACTTTAAGAATTTTGGGCCAGGCGCGGT GGTTCATGCCTGTAATCCCAGCATTTTTTGGGAGGCCGAGGCGGGTGGATCAC CTGAGGTCAGGAGTTCGAGACCAACCTGGCCAACACGGCGAAACCCCGCCTC TACTCAAATACAAAAATTAGCCAGGCTTGGTGACACTCGCCTGTGGTCCCAGC TACTCAGGAGGCTGAGGCAGGAGAATTGCTTGAACCCAGGAAGTGGAG GCTTCAGTGAGCTGAGAACACGCCACTGCACTCCAGTCCTGGGCAAC **AGAGCAAGACTCTGTCTC**AGGAAAAAAAAA

GAM25

